

Name: _____

at1110paper__practice__test (v22)

1. Solve the equation.

$$7x^2 + 9x + 8 = 5x^2 - 4x + 2$$

2. Factor the expression.

$$49x^2 - 16$$

3. Expand the following expression into standard form.

$$(3x + 5)(3x - 5)$$

4. Expand the following expression into standard form.

$$(9x - 2)^2$$

5. Expand the following expression into standard form.

$$(7x - 2)(3x - 5)$$

6. Factor the expression.

$$x^2 + 2x - 24$$

7. Solve the equation with factoring by grouping.

$$8x^2 - 6x - 20x + 15 = 0$$

8. Solve the equation.

$$(4x + 9)(5x + 3) = 0$$